

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Please amend page 52, line 1 as follows:

[Claims]

What is claimed is:

1. (Original) A method for the production of diphtheria toxin wherein a microorganism capable of producing diphtheria toxin is fermented using glucose as a carbon source, said method comprising adding glucose to a growing culture whereby the addition of glucose maintains a microorganism growth effective to support diphtheria toxin production.
2. (Currently amended) ~~A~~The method as claimed in claim 1 wherein the diphtheria toxin is a mutated diphtheria toxin.
3. (Currently amended) ~~A~~The method as claimed in claim 2 wherein the mutated diphtheria toxin has a cytotoxic A subunit.
4. (Currently amended) ~~A~~The method as claimed in claim 3 wherein the mutated diphtheria toxin is CRM 107.

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5. (Currently amended) AThe method as claimed in ~~any one of the preceding~~
~~claims~~claim 1 wherein the microorganism is corynebacterium diphtheriae.
6. (Currently amended) AThe method as claimed in ~~any one of the preceding~~
~~claims~~claim 1 wherein glucose is added in a fed batch method.
7. (Currently amended) AThe method as claimed in claim 6 wherein the pH is
maintained at between 7.0 to about 7.5.
8. (Currently amended) AThe method as claimed in ~~any one of the preceding~~
~~claims~~claim 1 wherein the fermentation medium comprises from about 0.5 to about
1.5% yeast extract.
9. (Currently amended) AThe method as claimed in ~~any one of the preceding~~
~~claims~~claim 1 wherein the fermentation medium comprises no more than about 1%
yeast extract.
10. (Currently amended) AThe method as claimed in ~~any one of the preceding~~
~~claims~~claim 1 wherein the fermentation medium comprises cystine.

Claims 11-21 (Cancel)

22. (Currently amended) AThe method as claimed in ~~any one of claims 1 to 4, or 6 to 20~~claim 1, wherein the microorganism is *E. coli*.
23. (Original) Diphtheria toxin having a purity of at least 98%.
24. (Currently amended) Diphtheria toxin when produced by the method of ~~any one of claims 1 to 22~~claim 1.
25. (Currently amended) AThe method for preparing a diphtheria toxin conjugate comprising conjugating a diphtheria toxin produced by the method of ~~any one of claims 1 to 22~~claim 1 with a cell specific binding or targeting moiety.
26. (Currently amended) AThe method as claimed in claim 25 wherein the cell specific binding or targetting moiety is transferrin.
27. (Currently amended) AThe method of treatment of CNS neoplasm comprising administering to a subject a diphtheria toxin conjugate as produced by the method of ~~claim 25 or claim 26~~claim 25.
28. (Currently amended) The use of a diphtheria toxin conjugate produced by the method of ~~any one of claims 25 or claim 26~~claim 25 in the manufacture of a medicament for use in the treatment of CNS neoplasm.